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## **Integral Systems Helps DigitalGlobe Enhance Earth Imaging Download Capacity**

### ***RT Logic Supports DigitalGlobe with High Rate Image Capture and TT&C Modems for its Earth Imaging Satellites***

COLORADO SPRINGS, Co, July 27, 2010 – Integral Systems, Inc., (NASDAQ: ISYS), announced today that its wholly-owned subsidiary, [RT Logic](#), has received an order from [DigitalGlobe](#) (NYSE: DGI), a leading global content provider of high-resolution earth imagery solutions, to supply remote high rate data capture systems and Telemetry, Tracking and Control (TT&C) modems to optimize distribution of DigitalGlobe’s satellite imagery. The delivery builds upon a successful initial deployment of RT Logic equipment to DigitalGlobe initiated in 2005.

DigitalGlobe originally worked with RT Logic to design and deploy a complete ground system architecture that included both high rate data capture systems, and command and control front-end processing. This included RT Logic’s T500HR High Rate Data Processor, T1200HDR High Data Rate Receiver, T70/70XL TT&C Modem, and T500GT Gateway Protocol Translator. The flexible, scalable architecture is now being expanded with new data capture and TT&C modems to enhance image download capacities from DigitalGlobe’s WorldView-1, WorldView-2, and QuickBird [satellites](#). The new systems will support an antenna being installed at the Troll, Antarctica site. Other existing sites at Fairbanks and Prudhoe Bay, Alaska and Norway will also receive the new RT Logic equipment.

“Customers not only need access to a broad array of imagery, but they also need it as fast as possible,” said Jeff Culwell, Vice President of Operations at DigitalGlobe. “The launch of WorldView-2 significantly increased our collection capacity, enabling us to image more than 500 million square kilometers every year. Our work with RT Logic ensures that we can download all of that imagery effectively and efficiently so that our customers can access and apply its valuable insights.”

The RT Logic T1200HDR is a software-defined, Digital Signal Processing (DSP) modem providing extremely accurate performance across a wide range of data rates. The unit combines high-speed, Analog-to-Digital (A/D) acquisition and Field-Programmable Gate Array (FPGA)-based demodulation, bit synchronization, digital processing, and Forward Error Correction (FEC). Additionally, the T1200HDR provides fully complex adaptive baseband equalization and filtering. The capability allowed the T1200HDR to seamlessly integrate into DigitalGlobe’s legacy ground system and provided exceptional implementation loss performance.

The RT Logic T500HR High Rate Data Processor ingests and processes multiple, concurrent, real-time TDM and CCSDS data streams. As a digital stream processor, the T500HR offers unmatched performance and hardware flexibility, supporting simultaneous processing, recording, and data distribution up to the specified maximum aggregate data rate of 1.6 Gbps.

For additional information on the RT Logic T1200HDR, T500HR, T70/70XL, or T500GT go to <http://www.rtlogic.com/products.php>.

#### **ABOUT INTEGRAL SYSTEMS**

Integral Systems, Inc., of Columbia, MD, applies more than 25 years experience to provide integrated technology solutions for satellite communications-interfaced systems. Customers have relied on the Integral Systems family of companies (Integral Systems, Inc., Integral Systems Europe, Lumistar, Inc., Newpoint Technologies, Inc., RT Logic, and SAT Corporation) to deliver on time and on budget for more than 250 satellite missions. Our dedication to customer service has solidified long-term relationships with the U.S. Air Force, NASA, NOAA, and nearly every satellite operator in the world. For more information, visit [www.integ.com](http://www.integ.com).

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